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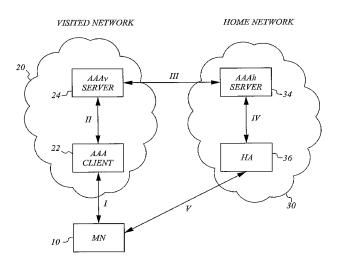
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[Continued on next page]

### (54) Title: METHOD, SYSTEM AND APPARATUS TO SUPPORT MOBILE IP VERSION 6 SERVICES



(57) **Abstract:** For establishing a MIPv6 security association between the mobile node (10) roaming in a foreign network (20) and a home agent (36) and for simplifying MIPv6-related configuration, MIPv6-related information is transferred in an end-to-end procedure over an AAA infrastructure by means of an, preferably extended, authentication protocol. A preferred embodiment uses EAP as basis for the extended authentication protocol, creating EAP extensions by incorporating the MIPv6-related information as additional data in the EAP protocol stack, for example as EAP attributes in the EAP method layer of the EAP protocol stack or transferred in a generic container attribute on the EAP layer or the EAP method layer. A major advantage of the proposed MIPv6 authentication/authorization mechanism lies in the fact that it is transparent to the visited domain (20), allowing AAA client (22) and AAAv (24) to act as mere pass-through agents during the procedure.



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